

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Jin-Hwa HEO, et al.

Group Art Unit:

Serial No.

Examiner:

[Division of Serial No. 10/215,342, filed August 9, 2002]

Filed: March 4, 2004

Confirmation No.

For: STRUCTURE OF TRENCH ISOLATION AND METHOD OF FORMING THE SAME

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56

Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB08 (A *and/or* B) is a listing of a document(s) known to applicant in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. §1.56. These references correspond to the art cited during prosecution of parent application Serial No. 10/215,342, having a filing date of August 9, 2002, on which applicant relies under 35 U.S.C. 120. Accordingly, copies of the references need not be submitted; 37 C.F.R. §1.98(d)(1).

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application. Applicant does not waive any rights to take any action that would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

☒ The listed document(s) is/are being cited in compliance with 37 C.F.R. 1.97(b)(3): submission before the mailing date of the first action on the merits. [Box checked if applicable.]

☐ The foregoing document came to applicant's attention during the prosecution of their corresponding Korean application. [Box checked if applicable.]

CERTIFICATION

☐ The undersigned hereby certifies in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement. [Box checked if applicable.]


Applicant respectfully requests that the listed document(s) be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

FEE PAYMENT

- ☐ The fee mandated by 37 C.F.R. §1.17(p) is believed applicable. [Box checked if applicable.]
- ☐ Attached is a check in payment of this fee (\$180.00). [Box checked if applicable.]
- ☐ This fee may be charged to Deposit Account No. 50-1645. (A duplicate copy of this paper is enclosed.) [Box checked if applicable.]

Respectfully submitted,

March 4, 2004
Date


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Complete if Known

Application Number	
Filing Date	March 4, 2004
First Named Inventor	Jin HWA, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	239/167 DIV

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2002/0004282 A	01-2002	HONG	
		US- 6,316,331 B1	11-2001	TSENG	
		US- 6,300,219 B1	10-2001	DOAN, et al.	
		US- 6,057,209	05-2000	GARDNER, et al.	
		US- 6,030,881	02-2000	PAPASOULIOTIS, et al	
		US- 5,504,033	04-1996	BAJOR, et al.	
		US- 5,492,858	02-1996	BOSE, et al.	
		US- 5,445,989	08-1995	LUR, et al.	
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		US- 4,671,970	06-1987	KEISER, et al.	
		US- 4,222,792	09-1980	LEVER, et al.	
		US-			
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		KR 1995-0002190*	10-20-1993	KIM	<input checked="" type="checkbox"/>
		KR 1993-0020634*	10-20-1993	KIM	<input checked="" type="checkbox"/>
		*Related documents			<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Filing Date

March 4, 2004

First Named Inventor

Jin-Hwa HEO, et al.

Art Unit

Examiner Name

Sheet 2

2

of

2

Attorney Docket Number

239/167 DIV

Examiner
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Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

 τ^2

WOLF, Stanley, SILICON PROCESSING for the VLSI ERA, Vol. 2, Lattice Press, p.232, (1990)

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